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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 10/065,236 | 09/27/2002 | Tsai-Sheng Chiu | IEIP0003USA | 9438 |
| 27765 | 7590 | 04/02/2004 | EXAMINER | |
| NAIPO (NORTH AMERICA INTERNATIONAL PATENT OFFICE) | | | DINH, TUAN T | |
| P.O. BOX 506 | | | ART UNIT | |
| MERRIFIELD, VA 22116 | | | PAPER NUMBER | |

2827

DATE MAILED: 04/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/065,236

Applicant(s)

CHIU, TSAI-SHENG

Examiner

Tuan T Dinh

Art Unit

2827

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3 and 4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 3 and 4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Applicant's election of Specie II (figure 3, claims 3-4) in Paper No. 4 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claims 1-2, and 5-7 are cancelled without prejudice in paper #4.

Drawings

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "PCI expansion slot...for receiving a PCI interface card" claim 3, lines 2-3 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities:

Page 2, line 17, "card 108can be" should be –card 108 can be—for proper typo.

Page 5, line 26, "backplane 310and is" should be –backplane 310 and is—for proper typo.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 3-4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 3, lines 2-9, it is unclear because in lines 2-3, applicant recites that “a PCI expansion slot...**for receiving a PCI interface card**”, and also in lines 7-8, applicant further recites that “**a CPU interface card is able to be connected simultaneously into both the PCI and the first AGP slots**” Does applicant mean by two different interface cards (PCI card and CPU card) can be able to connected to the PCI slot? By applying art, examiner assume, in line 3 of claim 3, the “PCI interface card” should be –a CPU interface card--.

Note: Examiner is considered that the term “slot, connector, or bus” is the same meaning.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Moore et al. (US 6,147,863) in view of Shu et al. (US 6,400,843).

As to claim 3, Moore et al. discloses a computer backplane (2), see figure 1, column 4, and line 20, comprising:

a PCI expansion slot (16), column 4, line 25, disposed on the backplane (2) for receiving a CPU interface card (8), column 4, lines 22-23, therein for electrical connection;

a first expansion slot (a ISA connector 14), column 4, line 25, disposed on the backplane (2), in alignment with the PCI expansion slot (16) to allow that the CPU interface card (8) is able to be connected simultaneously into both of the PCI slot and the first slot (ISA connector 14); and

a second expansion slot (ISA connector 4), column 4, lines 21-22, having an extension of electricity of the first slot.

It is noted that Moore et al. does not specifically disclosed first and second AGP expansion slots as claimed in the claim 3. However, it is well know in the art of a computer backplane that the AGP slots are one of specific types of ISA slots/connectors/buses.

Shu et al., that discloses an ISA bus such as AGP bus, see column 5, lines 44-51 for the purpose of providing an image data transferring with faster of speed.

Therefore, It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize an ISA bus such as an AGP bus as taught by Shu et al. to modify the computer backplane of Moore et al. for the purpose of providing an image data transferring with faster of speed.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Moore et al. ('863) and Shu et al. ('843) as applied to claim 3 above, and further in view of Prior art, figure 1 (submitted by applicant, hereafter APA).

As to claim 4, Moore et al. and Shu et al. does not disclose an AGP interface card comprises gold fingers.

APA shows an AGP card in figure 1 comprising gold fingers.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a circuit card (AGP card) having gold fingers in the computer backplane of Moore et al. and Shu et al., as taught by APA for the purpose of providing excellent conductivity for electrical connection.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Harder et al., Pekoe, Wang et al., Yen, Berg Lund et al., and Mohall et al. disclose related art.

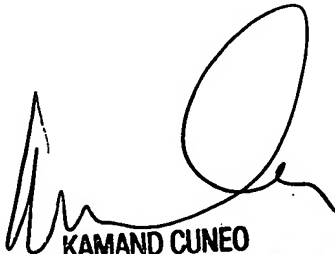
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan Dinh
March 22, 2004.



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